

20030817.qrp v03\_n015.qrl.20030817

Date: Sun, 17 Aug 2003 19:03:10 EDT  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 3015

QRP-L Digest 3015

Topics covered in this issue include:

- 1) [156404] AMQRP's Homebrewer Magazine  
by "Jim Sheldon" <w0eb@cox.net>
- 2) [156405] RE: Grid Questions  
by "Bob & Janet" <jbcraft@adelphia.net>
- 3) [156406] Re: FCC's EFCS is DOWN 'til Monday...  
by Peter Burbank <peterlee@qx.net>
- 4) [156407] RF ground connexion  
by Lloyd Lachow <llachow@yahoo.com>
- 5) [156408] Re: RF ground connexion  
by "George, W5YR" <w5yr@att.net>
- 6) [156409] warning...  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 7) [156410] new Canadian Territory?  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 8) [156411] Re: RF ground connexion  
by "Lawrence Makoski" <Makos327@worldnet.att.net>
- 9) [156412] Problems with NorCal Keyer and SMK-1  
by "Doug Hendricks" <ki6ds@dospalos.org>
- 10) [156413] BPL now in 25 countries  
by K7VO <k7vo@earthlink.net>
- 11) [156414] Re: warning...  
by William R Colbert <w5xe@juno.com>
- 12) [156415] re: Problems with NorCal Keyer and SMK-1  
by jacksonharbor@att.net
- 13) [156416] Re: BPL now in 25 countries  
by <wallenpb@earthlink.net>
- 14) [156417] BPL-Medical aspects  
by Peter Burbank <peterlee@qx.net>
- 15) [156418] FOX" for the record, N1FN final log for 8/3  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 16) [156419] Re: New kit: NJQRP DDS Daughtercard  
by "Trevor Jacobs" <kg6cyn@softhome.net>
- 17) [156420] Re: New kit: NJQRP DDS Daughtercard  
by "Trevor Jacobs" <kg6cyn@softhome.net>
- 18) [156421] Re: RF ground connexion  
by Bruce Muscolino <w6toy@erols.com>
- 19) [156422] Re: warning...

- by "Mike Yetsko" <myetsko@insydesw.com>
- 20) [156423] Re: Filing BPL Comments with the FCC  
by Tim Groat <tcgroat@earthlink.net>
- 21) [156424] FS: Ten Tec Omni D with stuff .....  
by "George Osier" <gosier@twcny.rr.com>
- 22) [156425] Re: warning...  
by Brad Thompson <Brad.Thompson@valley.net>
- 23) [156426] AZQRP Class E transmitters  
by "John Sielke" <jsielke@pobox.com>
- 24) [156427] Re: warning...  
by Mark Hogan <n5obc@yahoo.com>
- 25) [156428] Re: AZQRP Class E transmitters  
by "John Sielke" <jsielke@pobox.com>
- 26) [156429] Being an elmer - kinda long  
by "Lee Hopper" <leehopp@msn.com>
- 27) [156430] Re: Problems with NorCal Keyer and SMK-1  
by Dale Botkin <dale@botkin.org>
- 28) [156431] Re: 'Homebrewer' arrives...does this mean I'm now an Amqrp member?  
by "George Heron N2APB" <n2apb@erols.com>
- 29) [156432] Re: warning...  
by William R Colbert <w5xe@juno.com>
- 30) [156433] Circuit Board Material  
by "NR5A" <nr5a@rap.midco.net>
- 31) [156434] Subscription for "CQ-QRP" journal  
by "Oleg V. Borodin" <master72@lipetsk.ru>
- 32) [156435] Re: New kit: NJQRP DDS Daughtercard  
by "George Heron N2APB" <n2apb@erols.com>
- 33) [156436] 1/4 inch shaft extensions  
by Rick McKee <kc8aon@juno.com>
- 34) [156437] 20 M Red Hot Radio for Sale  
by Nm5m@aol.com
- 35) [156438] Re: Circuit Board Material  
by Noah Lorang <NoahLorang@nc.rr.com>
- 36) [156439] Re: 'Homebrewer' arrives...does this mean I'm now an Amqrp member?  
by "Bill, N4QA" <n4qa@hotmail.com>
- 37) [156440] Re: Circuit Board Material  
by "John Sielke" <jsielke@pobox.com>
- 38) [156441] Re: Circuit Board Material  
by "Brian Murrey" <brian@iquest.net>
- 39) [156442] Re: 1/4 inch shaft extensions  
by Dave Fouchey <dafouchey@comcast.net>
- 40) [156443] Crystal Radios  
by John Meade <jm416@optonline.net>
- 41) [156444] Re: 1/4 inch shaft extensions  
by "John Sielke" <jsielke@pobox.com>
- 42) [156445] Re 1/4 inch Shaft Extensions  
by David Gauding <david.gauding@bbs.galilei.com>

-----  
Date: Sat, 16 Aug 2003 18:08:50 -0500  
From: "Jim Sheldon" <w0eb@cox.net>  
To: "QRP-L Mailing List" <qrp-l@Lehigh.EDU>,  
"Four States QRP Group" <4sqrp@mailman.qth.net>,  
Subject: [156404] AMQRP's Homebrewer Magazine  
Message-ID: <IBEGLCMLCDHHEFLBPHBOEEHECNAA.w0eb@cox.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Got my "Homebrewer" in the mail today. Now that's a magazine! George, you've really done it this time. I only hope there is enough material out there to keep up this level of quality. I also hope I have enough time to wade through this issue and build some of the projects before the next one arrives! WELL DONE All!

Jim Sheldon, W0EB  
Wichita, KS

w0eb@cox.net

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Outgoing mail is certified Virus Free.  
Checked by AVG anti-virus system (<http://www.grisoft.com>).  
Version: 6.0.510 / Virus Database: 307 - Release Date: 8/14/2003

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Date: Sat, 16 Aug 2003 19:13:04 -0400  
From: "Bob & Janet" <jbcraft@adelphia.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [156405] RE: Grid Questions  
Message-ID: <AGEJJBFLPLHMOECFDINOCEDHCOAA.jbcraft@adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

If the power grid is this bad under private ownership, I can just imagine the boondoggle if it were owned by the government!

Cincinnati Gas & Electric built a nuke power plant, but no-nuke-kooks from around the world converged and CG&E grabbed the ankles and refit to coal fired... The no-nuke-kooks DO NOT LIVE HERE nor do they pay electric rates... but we do!

This blunder cost CG&E BILLIONS - with a B dollars... do you think that CG&E absorbed this? DO you think that CG&E passed this on to the stockholders? WHAT ARE NUTS??? CONSUMERS PAID AND CONTINUE TO PAY for this blunder. CG&E was bought out by PSI of Indiana and has been renamed Cinergy.

Then of course, CG&E has been in the ham news within the past couple years, they have a very long run of old aerial ground wire (the top wire that runs across the pole tops) that sits in a saddle, over the years these connections have crystalized in places and it rectifies WLW (50KW Clear Channel on 700kHz) and this produces noise from DC to Daylight with a 60over S9 on 160 thru 6 meters. The problem has been fixed, but not cured... CG&E moves at the speed of a glacier, I hate to think how slow the government would move.

I know that if BPL ever happens, and there is a problem in the CG&E area, forget radio... ham radio, cb radio, fire bands (low VHF), low VHF business band, Red Cross channels (47MHz) Oh St Highway Patrol channels (45MHz) will be noise.

Bob K8YS

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Date: Sat, 16 Aug 2003 19:14:09 -0400  
From: Peter Burbank <peterlee@qx.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [156406] Re: FCC's EFCS is DOWN 'til Monday...  
Message-ID: <5.2.0.9.0.20030816190846.00a0cc10@mail.qx.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

If you will notice, the site from Bill (below) contains E-mail links to each commissioner. What's wrong with using them? After all we pay their salaries.  
Pete NV4V

At 11:57 AM 8/16/2003, Bill, N4QA wrote:

>Gang,  
>Been trying to file comments about Docket 03-104...the BPL debacle... with  
>FCC today.  
>Kept getting "Error type: Insert Submission Data Failed".  
>Finally stumbled onto this explanation:

>  
>[http://gullfoss2.fcc.gov/prod/ecfs/upload\\_v2.cgi](http://gullfoss2.fcc.gov/prod/ecfs/upload_v2.cgi)  
>  
>Appears to have been VERY hurriedly prepared...  
>  
>  
>73.  
>Bill, N4QA  
><http://www.n4qa.com>  
>  
>  
>-----  
>Tired of spam? Get advanced junk mail protection with MSN 8.  
><http://join.msn.com/?page=features/junkmail>

-----  
Date: Sat, 16 Aug 2003 18:17:30 -0700 (PDT)  
From: Lloyd Lachow <llachow@yahoo.com>  
To: "Li'l Piggies" <fpqrp-l@mpna.com>,  
a low-energy group <qrp-l@lehigh.edu>  
Subject: [156407] RF ground connexion  
Message-ID: <20030817011730.54749.qmail@web41012.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I want to try using an RF ground with my K1, and  
it's going to be two 16.5' and ywo 33' wires. Question  
is, do all four need to terminate right at the  
negative side of my rf connector on the rig, or could  
I solder all four to a single wire, and, if so, how  
long could that single wire be, and still be  
effective? TIA.

=====  
73, 72 es oo, Lloyd, K3ESE - Reisterstown, Maryland  
multiPIG+ #14 - K1 # 00379 - 20/40M Rock-Mites  
Hunk o' Wahr - Begali Magnetic Classic Paddles  
ARRL - ARS #1301 - QRParci #11147 - FISTS #8774  
FPQRP #476 - QRP-L #2415 - BORG #2  
Fun = Skill / Power ! 8^D

-----  
Do you Yahoo!?

Yahoo! SiteBuilder - Free, easy-to-use web site design software  
<http://sitebuilder.yahoo.com>

-----  
Date: Sat, 16 Aug 2003 20:45:26 -0500  
From: "George, W5YR" <w5yr@att.net>  
To: <llachow@yahoo.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [156408] Re: RF ground connexion  
Message-ID: <012701c36461\$3bac0380\$0401a8c0@PS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

For a driven ground, each wire from floating end to connection to the point of the system desired to be near r-f zero potential should be 1/4 wavelength. The length is not super-critical, but the closer to 1/4-wavelength at a given frequency the lower the r-f potential at the "ground" end.

I advise using separate 1/4-wavelength wires, Lloyd. Separate them out a bit, keep them as straight as possible and insulate the "far end."

These wires will radiate so try to keep them away from RFI-prone devices like telephones, etc.

73/72, George  
Amateur Radio W5YR - the Yellow Rose of Texas  
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE  
"In the 57th year and it just keeps getting better!"  
<mailto:w5yr@att.net>

----- Original Message -----  
From: "Lloyd Lachow" <llachow@yahoo.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Saturday, August 16, 2003 8:17 PM  
Subject: RF ground connexion

> I want to try using an RF ground with my K1, and  
> it's going to be two 16.5' and ywo 33' wires. Question  
> is, do all four need to terminate right at the

```

> negative side of my rf connector on the rig, or could
> I solder all four to a single wire, and, if so, how
> long could that single wire be, and still be
> effective? TIA.
>
>
>
> =====
> 73, 72 es oo, Lloyd, K3ESE - Reisterstown, Maryland
> multiPIG+ #14 - K1 # 00379 - 20/40M Rock-Mites
> Hunk o' Wahr - Begali Magnetic Classic Paddles
> ARRL - ARS #1301 - QRParci #11147 - FISTS #8774
> FPQRP #476 - QRP-L #2415 - BORG #2
> Fun = Skill / Power ! 8^D
>
> -----
> Do you Yahoo!?
> Yahoo! SiteBuilder - Free, easy-to-use web site design software
> http://sitebuilder.yahoo.com

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Date: Sat, 16 Aug 2003 19:54:36 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
    Low Power Group <qrp-l@LeHigh.EDU>
Subject: [156409] warning...
Message-ID: <Pine.LNX.4.33.0308161947170.25483-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

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I know this is not QRP but I have been helped many times by many people that I'm trying to return one favour...if you receive an e-mail from Citi Bank wanting you to read their "new" Terms & Conditions, just DELETE it...

...it's someone trying to get personal information from you...while reading the e-mail, I had a feeling that all was not right...I talked with Citi Bank and they confirmed that it is "not for real" and they are trying to discover who's at the bottom of this scam...

...if anyone becomes upset with my posting, my intent was not to upset you but rather to be of help with this warning...

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..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
        A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
        - VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
        "QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

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Date: Sat, 16 Aug 2003 19:57:02 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,  
Low Power Group <qrp-l@LeHigh.EDU>  
Subject: [156410] new Canadian Territory?  
Message-ID: <Pine.LNX.4.33.0308161955320.26053-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello everyone...I see by our local newspaper, that the Federal Government will on August 25 sign an agreement to create a self-governing area called the Dogrib Settlement...it is called the Tli Cho Agreement... it is a 39,000 square kilometre area north of Alberta...  
...so of course, I wonder if we will be seeing the birth of another Nunavut and thus another Canadian amateur radio area?...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -  
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Sat, 16 Aug 2003 22:19:43 -0400  
From: "Lawrence Makoski" <Makos327@worldnet.att.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [156411] Re: RF ground connexion  
Message-ID: <011801c36466\$0635b250\$5443590c@larrysahyqy001>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

George W5YR wrote:

(snip)

>

> I advise using separate 1/4-wavelength wires, Lloyd. Separate them out  
a



> bit, keep them as straight as possible and insulate the "far end."  
>

Lloyd,

I heartily concur with George's advice to insulate the far end. You, or someone else (even a pet) could get a nasty RF burn if they accidentally come into contact the end while you're transmitting. When I use to use this method, I used insulated wire and taped over the end with electrical tape, just to be sure.

73 de Larry W2LJ

W2LJ@arrl.net  
<http://www.qsl.net/w2lj>

ARRL Lifemember QRP ARCI #4488 NJQRP #47  
FISTS #1469 QRP-L #778 FP #612 QRPP-I #759  
ARS #1528 --- K1 #1647

-----  
Date: Sat, 16 Aug 2003 19:20:49 -0700  
From: "Doug Hendricks" <ki6ds@dospalos.org>  
To: "qrp-l" <qrp-l@lehigh.edu>  
Subject: [156412] Problems with NorCal Keyer and SMK-1  
Message-ID: <007f01c36466\$2eaac090\$1fdbd7a8@DOUG>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guys, I received this email, and do not have any ideas on what to suggest.  
Do any of you have any ideas?

-----  
Dear Doug:

I am having trouble with my NorCal Keyer kit in that while I have carefully checked that the proper components are in the proper locations (I used an 8 pin socket for the chip as suggested) and all solder joints are secure, it will not key my SMK-1. The piezo sounder makes "FB" as it should on the power up and sounds the keying of the Vibroplex as it should, but the output connector of the Keyer acts like a short across the keyer terminals of the SMK-1. I rather suspect the U1 chip or possibly Q1 but I have no way to test them. After powerup there is no voltage across any of the pins of Q1 (key up) or the keyer output (key

up) but a voltage of 2 1/2 or three volts in time with the dits or dahs (key down). Can you suggest what might be wrong ???

-----  
Please post to the list as well as regular email to me, as others may have the same problem. 72, Doug

-----  
Date: Sat, 16 Aug 2003 22:44:58 -0400  
From: K7VO <k7vo@earthlink.net>  
To: qrp-l@lehigh.edu  
Subject: [156413] BPL now in 25 countries  
Message-ID: <20030816224458.56ec77a3.k7vo@earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

FYI...

<http://www.globes.co.il/serveen/globes/docview.asp?did=714612&fid=942>

Globes is the Israeli equivalent to the Wall Street Journal.

73,  
Caity  
K7VO

-----  
Date: Sat, 16 Aug 2003 21:02:40 -0600  
From: William R Colbert <w5xe@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [156414] Re: warning...  
Message-ID: <20030816.210241.-439757.2.w5xe@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks for the warning Bruce - I had already received one and forwarded it to Citibank Security. I noticed that the return address was from the same person that sent a similar fishing lure a couple of weeks ago looking for Juno.com account info. The only difference was the service provider; i.e. mail.com vs netscape.com. It looks pretty official but the from line gives them away.

73

Ray

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"

"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC#3618, SOWP#1064M SOC#78  
fp #111 ARCI-5784 NCT2R El Paso, (FAR WEST) TEXAS

-----  
Date: Sun, 17 Aug 2003 04:42:22 +0000  
From: jacksonharbor@att.net  
To: qrp-1@lehigh.edu  
Cc: ki6ds@dospalos.org  
Subject: [156415] re: Problems with NorCal Keyer and SMK-1  
Message-ID: <200308170442.h7H4g01W021689@rain.CC.Lehigh.EDU>

>voltage across any of the pins of Q1 (key up) or the keyer output (key  
>up) but a voltage of 2 1/2 or three volts in time with the dits or dahs  
>(key down). Can you suggest what might be wrong ???

Doug -

I don't have an SMK-1, but this sounds like maybe either a short from the output (collector) of Q1 to ground OR a bad Q1. The keyer chip sounds like it's OK if the chip output to the base of Q1 is pulsing in time to the dits and dahs. I'd check the wiring, the solder joints, reheat the solder joints including the ones on the output jack and the circuit board.

If all else fails, try replacing Q1 but generally I've found the semiconductors to be the most reliable part of any of my electronic projects. If Q1 is removed, try buzzing the output pin (with a DVM) to make sure that there isn't some other source of a short circuit across the collector output to ground.

Best Regards,

Chuck Olson, WB9KZY  
Jackson Harbor Press

-----  
Date: Sat, 16 Aug 2003 23:45:52 -0500  
From: <wallenpb@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [156416] Re: BPL now in 25 countries  
Message-ID: <001201c3647a\$711512a0\$0201a8c0@billalle>

Well, I guess the logical question would be whether or not such operations in other countries has resulted in the interference problems we all fear. Anyone know?

73,  
Bill Allen  
WA5PB

----- Original Message -----

From: "K7V0" <k7vo@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Saturday, August 16, 2003 21:44 PM  
Subject: BPL now in 25 countries

FYI...

<http://www.globes.co.il/serveen/globes/docview.asp?did=714612&fid=942>

Globes is the Israeli equivalent to the Wall Street Journal.

73,  
Caity  
K7V0

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Date: Sun, 17 Aug 2003 01:01:41 -0400  
From: Peter Burbank <peterlee@qx.net>  
To: qrp-1@lehigh.edu  
Subject: [156417] BPL-Medical aspects  
Message-ID: <5.2.0.9.0.20030817003408.00a0a360@mail.qx.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

I am curious whether BPL can pollute sensitive <1uV medical devices. I have been out of the medical scene for about 20 years but at that time Evoked Potential devices by major vendors (like Nicolet and TECA) used signal averaging mainly to get rid of 60 cycle junk while anything random was considered a valid brain potential. These devices are used to diagnose

preemies to old folks. Stimulus can be tactile, audible, or visual. I am trying to get info from AAMI on their position on this.  
73 Pete NV4V ....retired CBET  
ps By the number of Aug 15 comments on the FCC site I wonder if they are putting in a water cooled printer. :-) :-)

-----  
Date: Sat, 16 Aug 2003 23:56:53 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: qRP-L@lehigh.edu  
Subject: [156418] FOX" for the record, N1FN final log for 8/3  
Message-ID: <3F3EC4C5.25005.372BA2@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

Hi, Guys..

Yep, that's about how far behind I am. I hope to get last weeks log punched up this weekend too.

2200	AF4PS	559	FL	MAC	5W
2202	WA8BXN	589	OH	MIKE	5W
2203	K4MF	559	FL	GARY	5W
2204	N5IB	559	LA	JIM	5W
2204	AA50	559	LA	VERN	5W
2205	K6XR	559	CA	REGGIE	5W
2206	W5KDJ	559	YX	WAYNE	100MW
2207	N5YFC	559	LA	WAYNE	5W
2208	K0FRP/4	559	SC	AL	5W
2209	AD6JV	559	VA	BILL	5W
2210	AF4LQ	559	KY	MIKE	5W
2211	KW4JS	559	TN	JOHN	5W
2212	WE9K	559	VA	GLENN	5W
2213	AG4PJ	559	AL	DAVE	5W
2214	K5JHP	559	TX	BILL	5W
2215	AB9CA	559	AL	DAVE	5W
2216	N5ZE	559	TX	LEW	5W
2217	K7TQ	569	ID	RANDY	5W
2217	K5EOA	559	LA	WAYNE	5W
2219	KB9YMG	569	IN	TONY	500MW
2220	N7MFB	559	WA	BILL	5W

2227	WB5QU	579	CA	DON	5W
2228	KJ6CA	559	CA	BOB	5W
2241	N2WW	589	CO	LARRY	5W
2243	AF4PP	579	GA	CHUCK	5W
2252	K9IUA	559	IL	KEVIN	5W
2302	K2ZN	549	NY	AL	5W
2303	W5JAY	599	AR	JAY	1W
2306	KK5LD	599	TX	DON	5W
2307	N9NE	579	WI	TODD	100MW
2309	N5FFF	559	LA	WAYNE	5W
2311	N7XY	559	WA	BOB	5W
2312	K0MAX	559	MN	MAX	5W
2313	W5TB	559	TX	DOC	5W
2315	KB0R	559	MN	LARRY	5W
2316	C02HA	559	DX	FRANK	5W
2317	WB8E	559	MI	WALT	5W
2318	W5YR	559	TX	GEORGE	5W
2318	K3ESE	559	MD	LLOYD	5W
2319	K5SR	559	TX	DALE	5W
2320	N0WX	579	MN	MIKE	5W
2322	K50E	559	TX	JERRY	5W
2325	KG6WP	559	CA	HOWARD	5W
2325	K7FD	599	OR	JOHN	5W
2326	KB5FCF	559	OK	JOEL	5W
2329	W7ILW	559	AZ	WALT	5W
2330	N1FN	559	CO	FOX	5W

--

73

Marshall Emm

N1FN/VK5FN

n1fn@MorseX.com

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"Everything for the Morse Enthusiast"

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<http://www.ohr.com>

(303)752-3382

--

Date: Sat, 16 Aug 2003 23:48:52 -0700

From: "Trevor Jacobs" <kg6cyn@softhome.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,  
n2apb@erols.com

Subject: [156419] Re: New kit: NJQRP DDS Daughtercard

Message-ID: <001801c3648b\$a12cb7c0\$7eeab3d1@tjacobs>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hey George and all,

That's a real nice looking DDS module! I can think of a few projects that it'd work in. I noticed that you guys also used a MMIC on the output. It makes the most sense since it's a wide band device. Since you are not offering a CPU with your kit for true stand alone operation (ie. no PC needed) and since it won't operate without either a PC or a microcontroller, I thought I'd mention to everyone that if they replace the 100 MHz clock with a 120 MHz clock for 40 MHz bandwidth instead of a 30 MHz bandwidth, they can download the "Experimenter's DDS Signal Generator" software from my web site and burn an Atmel 89C8252 CPU with it, build up the CPU board, and have a fully functional "Stand Alone" Signal Generator/VFO with features such as: Programable IF offset, Frequency memory, Software Calibration, Split Frequency Operation (RX and TX frequencies defined) plus other features. The schematics for the boards are real similar, so interfacing the two projects would be easy. It's a neat teachnology to play with!

73's Trev KG6CYN  
<http://www.qsl.net/kg6cyn>

----- Original Message -----

From: George Heron N2APB <n2apb@erols.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Friday, August 15, 2003 7:17 PM  
Subject: New kit: NJQRP DDS Daughtercard

> Now that HOMEBREWER Magazine is hitting the streets in numbers, we thought  
> we'd let the next big cat out of the bag ... the article in the center of  
> the magazine (i.e., the one to which the issue naturally opens when held) is  
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> This kit was actually ready earlier this summer but we decided to hold up on  
> it a bit (see note at the end) despite many QRPers on these lists chomping  
> at the bit for it. Well, we're ready now in a big way to unveil this  
> exciting kit for homebrewers everywhere.  
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> The sub-title on the DDS Daughtercard article really says it all ...  
"How  
> many ways can you use a self-contained, high-precision dc-30 MHz  
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> source contained on a 1" x 2" plug-in circuit card? How about as a  
> stand-alone VFO, a signal generator for your bench, a replacement LO  
for  
> your Sierra or NC40 transceiver, or perhaps as the heart of an antenna  
> analyzer! Control it with your favorite microcontroller, or even hang  
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> your PC's printer port. Any way you do it, you'll be generating  
quality  
> signals for under \$20."  
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> For those who cannot wait to read on, the full details are located at  
> <http://www.njqrp.org/dds> .  
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> The NJQRP Club is offering nearly all components necessary on this  
small,  
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> voltage regulator and pin header connector are included in the kit ...  
all  
> for \$18 postpaid to US and Canadian homebrewers. (\$23 to DX  
locations.)  
> There's no need to place individual orders to Digi-Key or Mouser.  
There's  
> no need get group buys together for the MAR-1 amplifier or oscillator  
can.  
> It's all there.  
>  
> The only thing you'll need to get on your own is the AD9850 DDS chip  
... and  
> that's FREE from Analog Devices. Just go to  
> <http://products.analog.com/products/info.asp?product=AD9850> , register  
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> Analog Devices (i.e., give them your mailing address), and within a  
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> the AD9850 onto a pc board? Well, we've got a solution for that one  
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> assembly of the HC908 Daughtercard product, so we know the quality is  
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> Just place your DDS chip, pc board and a \$6 check or M.O. payable to  
> "KitBuilders" into a padded envelope and send to: KitBuilders, 1630  
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> brilliant way of doing it. We won't give away all their secrets, but  
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> ultimately provided all SMT chips taped onto a color-coded strip of  
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> software is downloadable from the website to have the QuickieLab act  
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already use  
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to be  
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> controller. The diagram and software are located on the DDS 'card web  
page.  
> The possibilities are endless, and you're going to see more examples

of how

> to use this essential RF module in many other QRP projects going forward in

> the pages of HOMEBREWER Magazine.

>

> So much to tell about it and so many ways to use such a little and inexpensive project like this! There's even a design feature that stacks up

> two Daughtercard pc boards to allow a single DDS chip on one board to use

> the LPF and RF amp of the second board to provide complementary signals.

> You'll have to read about that feature on the project's web page ... too

> much information is here already and we don;t want to overwhelm you all with

> these endless varieties of usage.

>

> Suffice it to say that this module can become a valuable and re-usable component in your homebrew rigs and test equipment in the shack. I have a

> bunch in use right now and more applications are coming along in the next

> HOMEBREWER. For example, Joe Everhart, N2CX has plans to be discussing yet

> another application of this module in a forthcoming issue of his column

> "Test Topics and More".

>

> We have lots of these DDS Daughtercard Kits in stock and ready for immediate

> shipment. Plus, for the instant gratification types out there (and I know

> the feeling well myself!), we have PayPal buttons all set up on the ordering

> page or you can send PayPal payments manually to [n2apb@amsat.org](mailto:n2apb@amsat.org) .

And of

> course you can order by snail mail by writing an \$18 check or MO payable to

> "George Heron, N2APB" and sending to me at 2419 Feather Mae Ct, Forest Hill,

> MD 21050. We ship the very next day after orders are received.

>

> 73, George N2APB [n2apb@amqrp.org](mailto:n2apb@amqrp.org)

> and Joe N2CX [n2cx@amqrp.org](mailto:n2cx@amqrp.org)

> for the NJQRP Club at <http://www.njqrp.org>

> and the AmQRP Club at <http://www.amqrp.org>

> DDS Daughtercard web page at <http://www.njqrp.org/dds>

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>  
>  
>

-----  
Date: Sun, 17 Aug 2003 00:04:50 -0700  
From: "Trevor Jacobs" <kg6cyn@softhome.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [156420] Re: New kit: NJQRP DDS Daughtercard  
Message-ID: <002201c3648d\$dac1b4c0\$7eeab3d1@tjacobs>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

One last comment, if you're not afraid of Digi Key and Mouser and purchasing your own components for a truly "Stand Alone" Signal Generator with all of the features to take your QRP rig to the next level, contact Jay Bromley at [jayw5jay@cox-internet.com](mailto:jayw5jay@cox-internet.com) for the CPU/PCB kit and build a fully functional Signal Generator/Dual Frequency VFO. See my web page for details. Only a few kits left...

73's Trev KG6CYN  
<http://www.qsl.net/kg6cyn>

----- Original Message -----

From: George Heron N2APB <[n2apb@erols.com](mailto:n2apb@erols.com)>  
To: Low Power Amateur Radio Discussion <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Sent: Friday, August 15, 2003 7:17 PM  
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> page or you can send PayPal payments manually to n2apb@amsat.org .  
And of  
> course you can order by snail mail by writing an \$18 check or MO  
payable to  
> "George Heron, N2APB" and sending to me at 2419 Feather Mae Ct, Forest  
Hill,  
> MD 21050. We ship the very next day after orders are received.  
>  
> 73, George N2APB n2apb@amqrp.org  
> and Joe N2CX n2cx@amqrp.org  
> for the NJQRP Club at <http://www.njqrp.org>  
> and the AmQRP Club at <http://www.amqrp.org>  
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> best for your own applications.  
>  
>  
>  
>

-----  
Date: Sun, 17 Aug 2003 06:42:07 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: Makos327@worldnet.att.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [156421] Re: RF ground connexion  
Message-ID: <3F3F5BFF.93341BC3@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

One additional point. I use an end fed long wire. This type of antenna particularly needs a good RF ground to work properly. I have finally settled on using a ground tuner and a short piece of wire as the ground system. Of course I use insulated wire. I run this along the baseboard. However I do run QRO at times, where an RF burn can be likely. I don't think 2 watts from the K-1 would be a big problem though.

73

-----  
Date: Sun, 17 Aug 2003 09:14:55 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <rattray@gpfn.sk.ca>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [156422] Re: warning...  
Message-ID: <002e01c364c1\$8e5c8680\$0200a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

>  
> I know this is not QRP but I have been helped many times by many people  
> that I'm trying to return one favour...if you receive an e-mail from  
Citi  
> Bank wanting you to read their "new" Terms & Conditions, just DELETE  
> it...

NO!! NO!! NO!!!

Never delete these things! At least, right away.

CONTACT your card provider. Make sure they are aware of it.  
Make sure that IF they want it, you can still forward the email with  
ALL headers intact to them.

Also, if your state or local police have a fraud unit, contact them.

In reality, you'll probably be just one of many.

But you may also be the first of many...

Mike

-----  
Date: Sun, 17 Aug 2003 07:28:25 -0600  
From: Tim Groat <tcgroat@earthlink.net>  
To: qrp-l@lehigh.edu  
Subject: [156423] Re: Filing BPL Comments with the FCC  
Message-ID: <5.1.1.6.2.20030817070735.00a4cc90@mail.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

The FAA (and their foreign equivalents) also use HF. The Denver ATC Center has a big HF log-periodic antenna, as well as a low HF dipole. Aircraft fly over large expanses of ocean and unpopulated land, where HF is a reliable and inexpensive mode of communication. In aircraft, you want independent backup systems (satellite and HF), because stuff happens--redundancy is essential to safety in flight.

72,  
--Tim (KR0U)

>Tom Severt <n2uhc@yahoo.com>:

>

>I beg to differ. The USAF uses HF quite a bit, they  
>have many frequencies to choose from in the HF  
>spectrum. Both the government and the military are  
>heavy users of ALE, or Automatic Link Establishment,  
>to set up voice links on the HF bands.

-----  
Date: Sun, 17 Aug 2003 09:51:42 -0400  
From: "George Osier" <gosier@twcny.rr.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [156424] FS: Ten Tec Omni D with stuff .....  
Message-ID: <000701c364c6\$b0fed9e0\$74883a18@twcny.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi !!!

Ten tec Omni D , 160 - 10 meters , 100 watts in MINT condx with .....

Model 280 power supply in EX condx

and .....

Model 1150 Over voltage protector NEW

\$350 and I ship

Reason for selling ..... Looking for Ten Tec Argosy 2 to get back to  
QRP !!!!!

73s

George Osier , N2JNZ

-----  
Date: Sun, 17 Aug 2003 10:59:33 -0400

From: Brad Thompson <Brad.Thompson@valley.net>  
To: w5xe@juno.com,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [156425] Re: warning...  
Message-ID: <5.0.2.1.2.20030817105753.01cd9130@pop3.norton.antivirus>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:02 PM 08/16/2003 -0600, William R Colbert wrote:  
>Thanks for the warning Bruce - I had already  
>received one and forwarded it to Citibank Security.

<snip>

Hello--  
There's a version purporting to be from Well-Fargo's Small Business  
department, too.  
If the message content or the attachment's title piques your curiosity,  
don't open the attachment!  
73--  
Brad AA1IP

-----  
Date: Sun, 17 Aug 2003 12:07:58 -0400  
From: "John Sielke" <jsielke@pobox.com>  
To: qrp-1@Lehigh.EDU  
Subject: [156426] AZQRP Class E transmitters  
Message-ID: <3F3F701E.6525.4E81323@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

Finished my 2nd of these. This one for 40 meters. Worked right away. I am  
seeing about 500 ma current drain on transmit, with 4.7 watts output. I tried  
adjusting the turns on L3 and L4, but it increases current and/or lowers  
output, so I guess this is optimum. At one point I had 5.8 watts out, but  
almost 700 ma current. Not good for wee little transistors!

Will be using these little rigs with the DR30 receiver next weekend in BUBBA.

You really ought to get one or two, guys. They are a snap to build, and I  
would imagine would run for a VERY long time on a small 4Ah Gel Cel.

John W2AGN

-----  
Date: Sun, 17 Aug 2003 09:58:06 -0700 (PDT)  
From: Mark Hogan <n5obc@yahoo.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [156427] Re: warning...  
Message-ID: <20030817165806.28053.qmail@web9605.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

As a member of InfraGard, <http://www.infragard.net>, and the security manager for a large city I have to agree with Yeltsko on this one. Please let your card provider know about these emails. The provider needs to know that its subscribers are being scammed, and the sooner they know, the sooner the public can be made aware in some official type of release.

--- Mike Yetsko <myetsko@insydesw.com> wrote:  
> NO!! NO!! NO!!!  
>  
> Never delete these things! At least, right away.  
>  
> CONTACT your card provider. Make sure they are  
> aware of it.

-----  
Do you Yahoo!?  
Yahoo! SiteBuilder - Free, easy-to-use web site design software  
<http://sitebuilder.yahoo.com>

-----  
Date: Sun, 17 Aug 2003 12:58:05 -0400  
From: "John Sielke" <jsielke@pobox.com>  
To: KU4YP <ku4yp@earthlink.net>, qrp-1@Lehigh.EDU  
Subject: [156428] Re: AZQRP Class E transmitters  
Message-ID: <3F3F7BDD.7819.515F853@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

On 17 Aug 2003 at 12:32, KU4YP wrote:

> john,  
>

> info on where to get them?  
>  
> tn timer 73 mike

Sorry 'bout that, thought everyone had that. It is  
<http://www.swlink.net/~w5jh/azsx303e.htm>

John W2AGN

-----  
Date: Sun, 17 Aug 2003 10:03:30 -0700  
From: "Lee Hopper" <leehopp@msn.com>  
To: "Posting to the list QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [156429] Being an elmer - kinda long  
Message-ID: <BAY4-DAV151j1HaKtKu0001c19f@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi, guys - got this from the 3830 list on contesting.com - what a guy!  
-NB7F

=====

Jim Smith, VE7FO wrote:

Readers of my earlier stories may recall that I have decided that my life's mission is to make more testers. To that end I've been inviting members of a club to which I belong to partake in phone contests from VE7FO. Most of the members have no HF experience whatsoever except for Field Day. Initially the contests were state QSO parties but the activity just wasn't enough to set a newbie's pulse racing. So now I'm inviting them to major SSB contests. This turns out to not be the sacrifice I thought it would be, as it's fun to see them progress from not knowing when to speak to actively chasing mults and not wanting to go home at the end of their shift.

This time two newbies signed up. Unfortunately, one of them couldn't make it but the other did. I almost had to cancel the whole thing because I dropped my headset on the floor one too many times and now the mike doesn't work. Fortunately I was able to borrow a replacement (which I have been careful

not to  
drop).

Started on 10, made a few Qs and moved to 15. No rate but 22 mults in a couple of hours.

About this time, Brenda, VA7CCF, showed up for her shift. We had a discussion about what name to use. As I didn't want to bother tracking which Qs she made and which ones I did, we decided she should use the same name i.e. Jim. Well, that was pretty hilarious. "Kim? Was that Kim? Jenn? Again? Lynn?" Endless pauses after she gave the exchange while the op was trying to decide if he had heard right. One very nice Q was when a YL (W0GAS?) said, "That doesn't sound like a Jim." She admitted that she was really a Brenda and the other YL gave her words of encouragement, told her about a YL net, etc. If the roles were reversed, I'm not sure how comfortable I would be calling myself Brenda. I sure wouldn't call another VE7. Next time we'll track who made which Q so she can use her own name. Then again, given that most folks are using a database so that if you meet the same call again on another band you know the name, perhaps we could come up with some androgynous name we could both use.

She had fun and was surprised by the ability to communicate all over NA. Working KG4, VP5, PY, LU, and EA were icing on the cake. I would leave from time to time. Once when I came back I found her chasing a YV5.

You know, it's really nice sharing this stuff with someone. I highly recommend it. Maybe if you were to share your shack with someone once or twice a year we could get the average contester's age down to the point where morticians would no longer be interested.

Being a multi-two (with one transmitter) we had to watch the 10 minute rule. Didn't break it but once I QSYd at someone's request and found myself stuck on an essentially dead band for 10 minutes. Oh well, it was a mult I wouldn't have



otherwise got.

Conditions seemed quite a bit better than the CW NAQP. K for the period ranged from 3 to 1.

Thanks for the Qs everyone and your patience. See you next time. If it's SSB I hope to have another trainee or two with me.

73 de Jim Smith VE7FO

-----  
Date: Sun, 17 Aug 2003 12:30:07 -0500 (CDT)  
From: Dale Botkin <dale@botkin.org>  
To: Doug Hendricks <ki6ds@dospalos.org>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [156430] Re: Problems with NorCal Keyer and SMK-1  
Message-ID: <Pine.LNX.4.33.0308171222020.6881-1000000@madmax.botkin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 16 Aug 2003, Doug Hendricks wrote:

> Guys, I received this email, and do not have any ideas on what to suggest.  
> Do any of you have any ideas?

8< snip...

I notice he's checked voltages at U1 and Q1, but has he ohmed the cable to make sure the thing's not shorted inside the plug? I don't know how many times I've seen that on my own stuff, especially those 1/8" plugs.

Otherwise, if he's seeing keying pulses at the base of Q1, I'd say U1 is good and he's got a shorted Q1 or a solder bridge.

Just a couple of thoughts.

72,  
Dale - N0XAS

--  
It's a thankless job, but I've got a lot of Karma to burn off.  
PicoKeyer is available for the Rock-Mite! <http://www.hamgadgets.com>

-----

Date: Sun, 17 Aug 2003 14:41:41 -0400  
From: "George Heron N2APB" <n2apb@erols.com>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [156431] Re: 'Homebrewer' arrives...does this mean I'm now an Amqrp member?  
Message-ID: <003701c364ef\$7401c420\$41c13ad0@GH001188>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Thanks for the kudos on HOMEBREWER magazine, Bill (and all others). We indeed strove for a distinctive "look and feel" to the publication that we thought all would appreciate. There are even more amazing things planned for HOMEBREWER that we'll start seeing in coming months.

As for being a charter subscriber of HOMEBREWER, yes you are. In fact, we have a few over-printings left and others can still get subscriptions starting with our premier issue. But after they're gone, so too will be the ability to have a complete set down the pike ... and the ability to be a charter subscriber.

BTW, if anyone has original material concerning a homebrew project -- antennas, test equipment, transceiver, mods, tutorials, etc -- and would like some help getting it published in HOMEBREWER #2, please contact us. Although we have about 75% of issue #2 already composed, we're always looking for some neat projects and QRP experiences to include. We have an "Author Guidelines" page now to help. It's accessible off the main web page for the mag, or directly at ...  
<http://www.amqrp.org/homebrewer/authorguidelines.html>

73, George N2APB n2apb@amqrp.org  
Editor & publisher of HOMEBREWER Magazine  
<http://www.amqrp.org/homebrewer/homebrewer.html>

-----

Date: Sun, 17 Aug 2003 13:07:36 -0600  
From: William R Colbert <w5xe@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [156432] Re: warning...  
Message-ID: <20030817.130738.-447311.3.w5xe@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I kept getting a bounce when I sent to the Security

dept at Citibank so I instead sent the mailing to  
the USSS and FTC 419.fcd@uss.s.treas.gov,UCE@FTC.GOV  
since it appeared to be international  
and it also gives them a break from the Afri-scam  
mailings.

73

Ray

"Politicians are like nappies. Both should be  
changed regularly -- and for the same reason"

"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC#3618, SOWP#1064M SOC#78  
fp #111 ARCI-5784 NCT2R El Paso,(FAR WEST) TEXAS

-----  
Date: Sun, 17 Aug 2003 13:09:22 -0600  
From: "NR5A" <nr5a@rap.midco.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [156433] Circuit Board Material  
Message-ID: <001701c364f3\$11886d90\$3865dc18@jerry>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Getting ready to make a order to Mouser, thought I'd get a sheet of double  
sided copper circuit board but darned if I can find any in their catalog.  
I've searched on there online catalog and my hard copy. I really didn't want  
to have to make 2 or 3 orders to several places to get what I want. Oh well,  
does anyone know if Mouser has it??

Ok, where is a good place to get the stuff? I use it to make my cabinets for  
projects alot, and Rat Shack wants 4 bucks just for a lil piece.

Thanks

Jerry - NR5A - South Dakota

-----  
Date: Sun, 17 Aug 2003 23:22:14 +0400  
From: "Oleg V. Borodin" <master72@lipetsk.ru>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [156434] Subscription for "CQ-QRP" journal  
Message-ID: <000101c364f5\$560c07e0\$58e422c3@OLEG.lipetsk.ru>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="koi8-r"  
Content-Transfer-Encoding: 7bit

Dear OM's!

As I wrote before, since the Autumn issue the "CQ-QRP" journal will publish by English language also like by Russian before.

Since we knew, it is not so interesting to make an English version for a few Subscribers only.

Let me know as soon as possible Who want to subscribe the "CQ-QRP" but have any problems with payment?

Both, we will think about comfortable way to pay, or see

[http://ruqrp.narod.ru/cq-qrp\\_e.htm](http://ruqrp.narod.ru/cq-qrp_e.htm) for details.

The same about "Micro-80" ready-build trcvrs. About 80 examples (ready-to-work trcvrs) are available yet (<http://ruqrp.narod.ru/kits.htm>)

Wish you all the best!

--- In QRP We Trust :-)

72! de RV3GM Oleg V. Borodin

Chairman of RU-QRP Club <http://ruqrp.narod.ru>

-----  
Date: Sun, 17 Aug 2003 15:53:44 -0400  
From: "George Heron N2APB" <n2apb@erols.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,  
"Trevor Jacobs" <kg6cyn@softhome.net>  
Subject: [156435] Re: New kit: NJQRP DDS Daughtercard  
Message-ID: <008a01c364f9\$4581e1c0\$41c13ad0@GH001188>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks a lot Trevor for the kudos on the DDS Daughtercard. It truly is a ubiquitous project that can be used with many different microcontrollers and projects.

For example ...

1) It'll work directly with the PIC16F84A and the "siggen3" PIC DDS VFO project that started this whole craze. One can get the PIC code from the HamPIC Resource Page (<http://www.njqrp.org/ham-pic/projects.htm>) and program the PIC directly to control the DDS Daughtercard. Adding a rotary encoder yields a project that is a good VFO with bells 'n whistles designed by Craig

AA0ZZ and Bruce AA0ED.

- 2) It plugs directly into the NJQRP QuickieLab (<http://www.njqrp.org/quickielab/index.html>) to give that BASIC experimenter's platform RF generation capability. With the canned software available for this project, along with Joe Everhart's wonderful "Quickies" and "Test Topic & More" columns that focus on its use, this is probably the easiest and most flexible way to play with a DDS.
- 3) It plugs into the HC908 Daughtercard projects -- see the Exerciser and Test Fixture hardware schematic and software on that project's web page (<http://www.njqrp.org/hc908/index.html>) and on its Resource page that shows how to connect an HC908 Daughtercard microcontroller, a rotary encoder, an LCD, and the DDS Daughtercard to create a simple VFO. A more feature-rich HC908-based VFO like this is in the making and will soon be published in the form of App Notes for this page and all HC908 users. Further, I'm working on a nice packaging of the HC908 Daughtercard, LCD, encoder and DDS Daughtercard in the new BLT aluminum enclosure. Man, what a cool-looking that project that is turning out to be. I'm hoping it'll make the cover of the next HOMEBREWER, if I can convince the editor of its merit.
- 4) It can be easily wired to the printer cable on one's PC and a PC program called SetDDS (by Doug Quaglianna, KA2UPW) serves as a VFO 'front panel'. We're working together on a more flexible program that will give lots more bells and whistles, all settable from the mouse and screen of your PC. This will be published soon in the form of an App Note on the DDS Daughtercard web page (<http://www.njqrp.org/dds>).
- 5) It can easily be controlled by the ATmel microcontroller chip used in your DDS VFO board set, just as you stated. Although one *could* change the oscillator can to use a 120 MHz version as you did, a more straightforward and easy way for guys to use your neat VFO program would be to just change the software to use the 100 MHz oscillator used on the DDS Daughtercard. After all, it's just software constants that determine the base incremental unit of the control word issued to the DDS - one can just change the software in a couple of places and be rockin' with the DDS Daughtercard. (I opted to keep the AD9850 top usable frequency at 30 MHz ... there's not as much use for the 30-40MHz frequency range by most HF hams, and keeping the oscillator correspondingly lower offers a tad less power consumption and heat generation. Besides, with a 100 MHz oscillator its directly usable with the popular DDS code mentioned in #1 above.)
- 6) I've been corresponding with Diz (W8DIZ) and without letting out too many of his plans, he said he's also working on some ATmel code to drive the DDS Daughtercard. i think this is just great! [I've got to get myself set up with an ATmel development station of some sort.] So pretty soon we'll have another microcontroller that one could connect up to the DDS 'card.

But note that all these ideas essentially generate a "VFO" as a standalone unit. That is nice and everyone sure could benefit from having a solid, precise signal generation device on their bench ... but we've only scratched the surface because there are many uses for such a stable VFO in OTHER projects. For example ...

7) The DDS daughtercard is designed to be an option in the forthcoming NJQRP Antenna Analyzer II project. N2CX and I are using that same circuit and component design as the basis for a low power oscillator that is swept up and down the spectrum while the microcontroller (an HC908 Daughtercard) reads the SWR from a reflectometer to determine antenna performance characteristics. The DDS circuitry will be built onto the main board of the Antenna Analyzer, but a cost-saving option for those who wish to purchase the kit is that they could opt to plug in and use their DDS Daughtercard purchased earlier.

8) There's been some discussion over the past couple of years concerning how one could build a very stable frequency generator suitable for lab bench work. This entails using a DDS (or a PLL and DDS combination) to generate the stable and variably-controlled frequency source, and the precise control of attenuation on the output of that signal source. We're working with an individual who thinks that the DDS Daughtercard may be the way to go at the heart of that design.

Food for thought, and ideas for the workbench ... if only we all had more time to explore them! The beauty of this approach however is that there's likely at least one idea listed here that has the ability of striking the sweet spot for homebrewers on the list.

73, George N2APB  
n2apb@amqrp.org

=====

> Hey George and all,  
>  
> That's a real nice looking DDS module! I can think of a few projects  
> that it'd work in. I noticed that you guys also used a MMIC on the  
> output. It makes the most sense since it's a wide band device. Since you  
> are not offering a CPU with your kit for true stand alone operation (ie.  
> no PC needed) and since it won't operate without either a PC or a  
> microcontroller, I thought I'd mention to everyone that if they replace  
> the 100 MHz clock with a 120 MHz clock for 40 MHz bandwidth instead of a  
> 30 MHz bandwidth, they can download the "Experimenter's DDS Signal  
> Generator" software from my web site and burn an Atmel 89C8252 CPU with  
> it, build up the CPU board, and have a fully functional "Stand Alone"

> Signal Generator/VFO with features such as: Programable IF offset,  
> Frequency memory, Software Calibration, Split Frequency Operation (RX  
> and TX frequencies defined) plus other features. The schematics for the  
> boards are real similar, so interfacing the two projects would be easy.  
> It's a neat teachnology to play with!  
>  
> 73's Trev KG6CYN

-----  
Date: Sun, 17 Aug 2003 16:03:27 -0400  
From: Rick McKee <kc8aon@juno.com>  
To: fpqrp-l@mpna.com, qrp-l@Lehigh.EDU  
Subject: [156436] 1/4 inch shaft extensions  
Message-ID: <20030817.160332.9166.0.kc8aon@juno.com>

Gang,

Anyone on the list know of a source for the little shaft adapters that will screw directly onto the small variable capacitors like the ones used in AM/FM radios ? I have one of the little capacitors with an extension included and would like to find more of them.

I'm playing with the idea of building a small tuner with the capacitors. And have kinda got an idea of using about 9 T50-2 toroids wound for different values of inductance and using toggle switches to select the different values. With values of .1uH, .2uH, .4uH, .8uH, 1uH, 2uH, 4uH, 8uH & 16uH, I could select anywhere from .1uH to 32.5uH inductance with a given combination of switch settings. I have 2 small varicaps of 302pf each, and with the values above should be able to build a very compact T match to cover 160 thru 10 meters. I plan on building a Stocton type forward / reflected power meter into it also. Has anyone ever used a switched inductor setup like the one I described ? If so, how well did it work ? Any frequency ranges that it didn't do so well ? Any ideas from you more technical type gurus ?

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl  
SW 40+, Norcal Cascade, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters  
RX  
QRP-L #2112, FPqrp #33, AR QRP AmQRP  
I'll give up CW when I'm dead ! MAYBE !

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl  
SW 40+, Norcal Cascade, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters  
RX  
QRP-L #2112, FPqrp #33, AR QRP AmQRP  
I'll give up CW when I'm dead ! MAYBE !

-----  
The best thing to hit the internet in years - Juno SpeedBand!  
Surf the web up to FIVE TIMES FASTER!  
Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!

-----  
Date: Sun, 17 Aug 2003 16:08:39 EDT  
From: Nm5m@aol.com  
To: qrp-1@lehigh.edu  
Subject: [156437] 20 M Red Hot Radio for Sale  
Message-ID: <121.24fba782.2c713ac7@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

For Sale:

Red Hot Radio RH 20 (20 meters) works great, and has a built in Keyer and "Red" anodized case.

\$150 USD including Shipping

Please contact me directly via email at [nm5m@aol.com](mailto:nm5m@aol.com)

Regards,

Eric NM5M

-----  
Date: Sun, 17 Aug 2003 16:09:01 -0400  
From: Noah Lorang <[NoahLorang@nc.rr.com](mailto:NoahLorang@nc.rr.com)>  
To: nr5a@rap.midco.net,  
Low Power Amateur Radio Discussion <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [156438] Re: Circuit Board Material  
Message-ID: <5.1.0.14.0.20030817160628.02df45b8@pop-server.nc.rr.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Jerry, et al.

I'm yet to find a truly cheap source for double sided stuff (useful for making enclosures), but I did manage to find some single sided stock for cheap.



Fair Radio Sales has (or had) sheets of 4" x 18" single sided copperclad board for \$10 for 20 sheets (minimum order is \$10), which works out nice and cheap. Not sure if it's still available, since Fair Radio is a surplus vendor, nor can I really speak to copper content or quality, but I do know that it works well enough for me.

No connection, just bought some stuff.

Noah

:09 PM 8/17/2003 -0600, NR5A wrote:

>Getting ready to make a order to Mouser, thought I'd get a sheet of double  
>sided copper circuit board but darned if I can find any in their catalog.  
>I've searched on there online catalog and my hard copy. I really didn't want  
>to have to make 2 or 3 orders to several places to get what I want. Oh well,  
>does anyone know if Mouser has it??

>

>Ok, where is a good place to get the stuff? I use it to make my cabinets for  
>projects alot, and Rat Shack wants 4 bucks just for a lil piece.

>

>Thanks

>

>Jerry - NR5A - South Dakota

-----

Date: Sun, 17 Aug 2003 16:15:36 -0400

From: "Bill, N4QA" <n4qa@hotmail.com>

To: qrp-l@Lehigh.EDU

Subject: [156439] Re: 'Homebrewer' arrives....does this mean I'm now an Amqrp member?

Message-ID: <BAY1-F115G1bZvFqV2m00041641@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

George, N2APB.

Thanks for the attempt at answering my question.

Sorry, I'm a little thick-headed sometimes and I'm still in the dark about this.

I understand that I'm a charter subscriber to 'Homebrewer' magazine.

What I'd like to know is the following:

Does being a 'Homebrewer' subscriber = being an AmQRP club member?

The AmQRP club does have members, does it not?

What is required for one to be considered a member of AmQRP club?

Thanks.

73.

Bill, N4QA

-----  
MSN 8 with e-mail virus protection service: 2 months FREE\*  
<http://join.msn.com/?page=features/virus>

-----  
Date: Sun, 17 Aug 2003 16:37:33 -0400  
From: "John Sielke" <[jsielke@pobox.com](mailto:jsielke@pobox.com)>  
To: [qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)  
Subject: [156440] Re: Circuit Board Material  
Message-ID: <3F3FAF4D.15945.5DEF068@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

I just recently got several 9" X 12" sheets from

<http://www.techniks.com/retail.htm>

Seemed the best price I could find for large pieces.

John W2AGN

-----  
Date: Sun, 17 Aug 2003 16:07:16 -0500  
From: "Brian Murrey" <[brian@iquest.net](mailto:brian@iquest.net)>  
To: <[NoahLorang@nc.rr.com](mailto:NoahLorang@nc.rr.com)>,  
"Low Power Amateur Radio Discussion" <[qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)>  
Subject: [156441] Re: Circuit Board Material  
Message-ID: <005d01c36503\$8a4f0e90\$02fea8c0@bjmw2k>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

At Dayton every year I stock up on PCB for like \$3 a sheet that is maybe  
2' by 2' for so.

<http://www.meci.com/>

I don't know if they have it as a regular item though, but might be worth a call.

```
=====
KB9BVN/QRP QRP-L 1540 QRP-ARCI 10223
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - Elecraft K1 - Attic Dipole - 5w
Member of the ARRL - SOC #400
FISTS 5695 CC 764 FPQRP #-57 Bacon Bits Editor
=====
```

----- Original Message -----

From: "Noah Lorang" <NoahLorang@nc.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Sunday, August 17, 2003 3:09 PM  
Subject: Re: Circuit Board Material

> Jerry, et al.

>

> I'm yet to find a truly cheap source for double sided stuff (useful  
for  
> making enclosures), but I did manage to find some single sided stock  
for cheap.

>

> Fair Radio Sales has (or had) sheets of 4" x 18" single sided  
copperclad

> board for \$10 for 20 sheets (minimum order is \$10), which works out  
nice

> and cheap. Not sure if it's still available, since Fair Radio is a  
surplus

> vendor, nor can I really speak to copper content or quality, but I do  
know

> that it works well enough for me.

>

> No connection, just bought some stuff.

>

> Noah

>

> :09 PM 8/17/2003 -0600, NR5A wrote:

> >Getting ready to make a order to Mouser, thought I'd get a sheet of  
double

> >sided copper circuit board but darned if I can find any in their  
catalog.

> >I've searched on there online catalog and my hard copy. I really  
didn't want

> >to have to make 2 or 3 orders to several places to get what I want.

Oh well,

> >does anyone know if Mouser has it??  
> >  
> >Ok, where is a good place to get the stuff? I use it to make my  
cabinets for  
> >projects alot, and Rat Shack wants 4 bucks just for a lil piece.  
> >  
> >Thanks  
> >  
> >Jerry - NR5A - South Dakota  
>  
>  
>

-----  
Date: Sun, 17 Aug 2003 17:09:59 -0400  
From: Dave Fouchey <dafouchey@comcast.net>  
To: kc8aon@juno.com,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [156442] Re: 1/4 inch shaft extensions  
Message-ID: <5.2.1.1.2.20030817170802.01933a30@mail.comcast.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Rick, I just take a block of aluminum or a scrap piece of round Aluminum or  
Brass and drill the shaft hole the size I need and then tap the sides for  
some set screws.

Did I mention I am a cheap son of a gun too?

73's  
Dave  
WA4EMR

At 04:03 PM 8/17/2003 -0400, Rick McKee wrote:

>Gang,  
> Anyone on the list know of a source for the little shaft adapters that  
>will screw directly onto the small variable capacitors like the ones used  
>in AM/FM radios ? I have one of the little capacitors with an extension  
>included and would like to find more of them.  
> I'm playing with the idea of building a small tuner with the  
>capacitors. And have kinda got an idea of using about 9 T50-2 toroids  
>wound for different values of inductance and using toggle switches to  
>select the different values. With values of .1uH, .2uH, .4uH, .8uH, 1uH,  
>2uH, 4uH, 8uH & 16uH, I could select anywhere from .1uH to 32.5uH  
>inductance with a given combination of switch settings. I have 2 small  
>varicaps of 302pf each, and with the values above should be able to build

>a very compact T match to cover 160 thru 10 meters. I plan on building a  
>Stocton type forward / reflected power meter into it also. Has anyone  
>ever used a switched inductor setup like the one I described ? If so,  
>how well did it work ? Any frequency ranges that it didn't do so well ?  
>Any ideas from you more technical type gurus ?  
>  
>72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl  
>SW 40+, Norcal Cascade, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters  
>RX  
>QRP-L #2112, FPqrp #33, AR QRP AmQRP  
>I'll give up CW when I'm dead ! MAYBE !  
>  
>  
>  
>72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl  
>SW 40+, Norcal Cascade, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters  
>RX  
>QRP-L #2112, FPqrp #33, AR QRP AmQRP  
>I'll give up CW when I'm dead ! MAYBE !  
>  
>  
>  
>-----  
>The best thing to hit the internet in years - Juno SpeedBand!  
>Surf the web up to FIVE TIMES FASTER!  
>Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!

-----  
Date: Sun, 17 Aug 2003 17:27:58 -0400  
From: John Meade <jm416@optonline.net>  
To: qrp-l@Lehigh.EDU  
Subject: [156443] Crystal Radios  
Message-ID: <000501c36506\$6fc0c7a0\$010bb918@DH89Q211>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

I missed the thread on crystal radios, and so I apologize if this information is repeated from a previous post. I wanted to pass along two sites that are great for beginners in that they advise about the pitfalls of poor circuits (like un-tapped inductors which will be loaded down and work poorly). A beginner who builds a radio that works well the first time out will be happier than someone whose radio doesn't receive well.

The two best links with good crystal radio circuits are (IMHO):

<http://www.techlib.com/electronics/crystal.html>

and

<http://hibp.ecse.rpi.edu/~john/xtal.html>

I have not built these exact circuits, but I did have the Radio Shack crystal radio which had several taps on the coil for the antenna and detector connections (similar to the first link). Taps could be found that did not load down the tuned circuit, and the radio pulled in several stations with good selectivity.

73,

John W2XS

-----  
Date: Sun, 17 Aug 2003 17:36:23 -0400  
From: "John Sielke" <[jsielke@pobox.com](mailto:jsielke@pobox.com)>  
To: [qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)  
Subject: [156444] Re: 1/4 inch shaft extensions  
Message-ID: <3F3FBD17.13270.614D217@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

> Has anyone  
> ever used a switched inductor setup like the one I described ? If so,  
> how well did it work ? Any frequency ranges that it didn't do so well ? Any  
> ideas from you more technical type gurus ?

Rick,

DISCLAIMER; The following is an OPINION and is not intended to be "THE WORD."

I think the switched inductors would be a lot of trouble for what you would get. I would recommend a Z Match, with switched capacitors/taps. (Only need a couple) to cover 160-10M. Seems the simplest, most efficient and easiest antenna tuner.

More switches=more things to go wrong.

END OPINION

John W2AGN

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Date: Sun, 17 Aug 2003 16:34:10 -0500  
From: David Gauding <david.gauding@bbs.galilei.com>  
To: qrp-l@lehigh.edu  
Subject: [156445] Re 1/4 inch Shaft Extensions  
Message-ID: <5.1.1.6.0.20030817162600.00a06d90@bbs.galilei.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Rick,

Try nylon standoffs with a metric screw that fits into the capacitor's shaft. You will also want to add a toothed washer between the cap shaft and the standoff.

In my experience, aluminum or steel standoffs tend to cause hand-capacity in this application but it is not really serious. Ditto for metal knobs.

We used this solution for the polyvaricaon caps in the original St. Louis Tuner kits and it worked out well.

Regards,

de Dave, NF0R      nf0r@slacc com

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End of QRP-L Digest 3015

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